

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/538,197  
Source: IFWP  
Date Processed by STIC: 7/31/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 07/31/2006

PATENT APPLICATION: US/10/538,197

TIME: 14:26:29

Input Set : A:\As filed.txt

Output Set: N:\CRF4\07312006\J538197.raw

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3 <110> APPLICANT: Inpharmatica Limited
5 <120> TITLE OF INVENTION: Serine Protease
7 <130> FILE REFERENCE: P032668WO
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/538,197
C--> 10 <141> CURRENT FILING DATE: 2005-06-09
12 <150> PRIOR APPLICATION NUMBER: GB 0228957.7
13 <151> PRIOR FILING DATE: 2002-12-11
15 <160> NUMBER OF SEQ ID NOS: 26
17 <170> SOFTWARE: SeqWin99, version 1.02
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 58
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
25 atgaagtggg gctggggccc agtgctgctc atcgcggggtg ccacagtcct catggagg      58
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 20
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 2
33 Met Lys Trp Cys Trp Gly Pro Val Leu Leu Ile Ala Gly Ala Thr Val
34 1           5           10           15
36 Leu Met Glu Gly
37           20
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 21
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 3
45 gtcttcaagc cgctcagcgt g      21
47 <210> SEQ ID NO: 4
48 <211> LENGTH: 7
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 4
53 Leu Gln Ala Ala Gln Arg Ala
54 1           5
56 <210> SEQ ID NO: 5
57 <211> LENGTH: 163
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
61 <400> SEQUENCE: 5
62 cctgtggaca gcgtggcccc ggccccccca agcctcagga gggcaacaca gtccctggcg      60

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63 agtggccctg gcaggccagt gtgaggaggc aaggagccca catctgcagc ggctccctgg 120
64 tggcagacac ctgggtcctc actgctgccc actgctttga aaa 163
66 <210> SEQ ID NO: 6
67 <211> LENGTH: 54
68 <212> TYPE: PRT
69 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 6
72 Cys Gly Gln Arg Gly Pro Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr
73 1 5 10 15
75 Val Pro Gly Glu Trp Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala
76 20 25 30
78 His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala
79 35 40 45
81 Ala His Cys Phe Glu Lys
82 50
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 266
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
89 <400> SEQUENCE: 7
90 ggcagcagca acagaactga attcctgggtc agtgggtcctg ggttctctgc agcgtgaggg 60
91 actcagccct ggggcccgaag aggtgggggt ggctgcccctg cagttgcccc gggcctataa 120
92 ccactacagc cagggctcag acctggccct gctgcagctc gccacccca cgaccacac 180
93 acccctctgc ctgccccagc ccgcccctcg cttccccttt ggagcctcct gctggggccac 240
94 tggctgggat caggacacca gtgatg 266
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 89
98 <212> TYPE: PRT
99 <213> ORGANISM: Homo sapiens
101 <400> SEQUENCE: 8
102 Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser Leu
103 1 5 10 15
105 Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala Ala
106 20 25 30
108 Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu
109 35 40 45
111 Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys Leu
112 50 55 60
114 Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr
115 65 70 75 80
117 Gly Trp Asp Gln Asp Thr Ser Asp Ala
118 85
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 155
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 9
126 ctctctgggac cctacgcaat ctgcgcctgc gtctcatcag tcgccccaca tgtaactgta 60
127 tctacaacca gctgcaccag cgacacctgt ccaaccgggc ccggcctggg atgctatgtg 120

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128 ggggccccca gcctgggggtg cagggcccct gtcag 155
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 51
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 10
136 Pro Gly Thr Leu Arg Asn Leu Arg Leu Arg Leu Ile Ser Arg Pro Thr
137 1 5 10 15
139 Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu Ser Asn Pro
140 20 25 30
142 Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly Val Gln Gly
143 35 40 45
145 Pro Cys Gln
146 50
148 <210> SEQ ID NO: 11
149 <211> LENGTH: 220
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 11
154 ggagattccg ggggccctgt gctgtgcctc gagcctgacg gacactgggt tcaggctggc 60
155 atcatcagct ttgcatcaag ctgtgcccag gaggacgctc ctgtgctgct gaccaacaca 120
156 gctgctcaca gttcctggct gcaggctcga gttcaggggg cagctttcct ggcccagagc 180
157 ccagagaccc cggagatgag tgatgaggac agctgtgtag 220
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 74
161 <212> TYPE: PRT
162 <213> ORGANISM: Homo sapiens
164 <400> SEQUENCE: 12
165 Gly Asp Ser Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp
166 1 5 10 15
168 Val Gln Ala Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp
169 20 25 30
171 Ala Pro Val Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln
172 35 40 45
174 Ala Arg Val Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro
175 50 55 60
177 Glu Met Ser Asp Glu Asp Ser Cys Val Ala
178 65 70
180 <210> SEQ ID NO: 13
181 <211> LENGTH: 151
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 13
186 cctgtggatc cttgaggaca gcagggtccc aggcaggagc accctcccca tggccctggg 60
187 aggccaggct gatgcaccag ggacagctgg cctgtggcgg agccctgggtg tcagaggagg 120
188 cggtgctaac tgctgcccac tgcttcattg g 151
190 <210> SEQ ID NO: 14
191 <211> LENGTH: 50
192 <212> TYPE: PRT

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193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 14
196 Cys Gly Ser Leu Arg Thr Ala Gly Pro Gln Ala Gly Ala Pro Ser Pro
197 1 5 10 15
199 Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly
200 20 25 30
202 Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe
203 35 40 45
205 Ile Gly
206 50
208 <210> SEQ ID NO: 15
209 <211> LENGTH: 245
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 15
214 gcgcaggcc ccagaggaat ggagcgtagg gctggggacc agaccggagg agtggggcct 60
215 gaagcagctc atcctgcatg gagcctacac ccaccctgag gggggctacg acatggccct 120
216 cctgctgctg gcccgacctg tgacactggg agccagcctg cggccccctct gcctgcccta 180
217 tcctgaccac cacctgcctg atggggagcg tggtgggtt ctgggacggg cccgcccagg 240
218 agcag 245
220 <210> SEQ ID NO: 16
221 <211> LENGTH: 82
222 <212> TYPE: PRT
223 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 16
226 Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg Pro Glu
227 1 5 10 15
229 Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr His Pro
230 20 25 30
232 Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Leu Ala Gln Pro Val Thr
233 35 40 45
235 Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp His His
236 50 55 60
238 Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg Pro Gly
239 65 70 75 80
241 Ala Gly
244 <210> SEQ ID NO: 17
245 <211> LENGTH: 146
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 17
250 gcatcagctc cctccagaca gtgcccgtga ccctcctggg gcctagggcc tgcagccggc 60
251 tgcattgcagc tcctgggggt gatggcagcc ctattctgcc ggggatgggtg tgtaccagt 120
252 ctgtgggtga gctgcccagc tgtgag 146
254 <210> SEQ ID NO: 18
255 <211> LENGTH: 48
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 18

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260 Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala
261 1 5 10 15
263 Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu
264 20 25 30
266 Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu
267 35 40 45
270 <210> SEQ ID NO: 19
271 <211> LENGTH: 276
272 <212> TYPE: DNA
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 19
276 ggcctgtctg gggcaccact ggtgcatgag gtgaggggca catgggttcct ggccgggctg 60
277 cacagcttcg gagatgcttg ccaaggcccc gccaggccgg cggctcttcac cgcgctccct 120
278 gcctatgagg actgggtcag cagtttgagc tggcaggtct acttcgccga ggaaccagag 180
279 cccgaggctg agcctggaag ctgcctggcc aacataagta tgtggccccg gggcctcctg 240
280 ccaaaccctg cctctccagg acccttctct ctccag 276
282 <210> SEQ ID NO: 20
283 <211> LENGTH: 92
284 <212> TYPE: PRT
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 20
288 Gly Leu Ser Gly Ala Pro Leu Val His Glu Val Arg Gly Thr Trp Phe
289 1 5 10 15
291 Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg
292 20 25 30
294 Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser
295 35 40 45
297 Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu
298 50 55 60
300 Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu
301 65 70 75 80
303 Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln
304 85 90
306 <210> SEQ ID NO: 21
307 <211> LENGTH: 1701
308 <212> TYPE: DNA
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 21
312 atgaagtggg gctggggccc agtgctgctc atcgcggggtg ccacagtcct catggagggt 60
313 ctccaagccg ctcagcgtgc ctgtggacag cgtggccccg gcccccccaa gcctcaggag 120
314 ggcaacacag tccctggcga gtggccctgg caggccagtg tgaggaggca aggagccac 180
315 atctgcagcg gctccctggg ggcagacacc tgggtcctca ctgctgcca ctgctttgaa 240
316 aaggcagcag caacagaact gaattcctgg tcagtggtec tgggttctct gcagcgtgag 300
317 ggactcagcc ctggggccga agaggtgggg gtggctgccc tgcagttgcc cagggcctat 360
318 aaccactaca gccagggtc agacctggcc ctgctgcagc tcgcccaccc cagcaccac 420
319 acaccctct gctgcccc gcccgcccat cgcttccct ttggagcctc ctgctgggcc 480
320 actggctggg atcaggacac cagtgatgct cctgggaccc tacgcaatct gcgcctgcgt 540
321 ctcatcagtc gcccacatg taactgtatc tacaaccagc tgcaccagcg acacctgtcc 600
322 aaccggcccc ggctgggat gctatgtggg ggccccagc ctggggtgca gggccctgt 660

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**VERIFICATION SUMMARY**

DATE: 07/31/2006

PATENT APPLICATION: US/10/538,197

TIME: 14:26:30

Input Set : A:\As filed.txt

Output Set: N:\CRF4\07312006\J538197.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date